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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/587,728	03/26/2007	Frank Rothbrust	FI-80PCT	2019
⁴⁰⁵⁷⁰ FRIEDRICH K	7590 03/11/200 UEFFNER		EXAMINER	
	I AVENUE, SUITE 91		ROYSTON, ELIZABETH	
NEW YORK, NY 10017			ART UNIT	PAPER NUMBER
			4122	
			MAIL DATE	DELIVERY MODE
			03/11/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Symmony	10/587,728	ROTHBRUST ET AL.				
Office Action Summary	Examiner	Art Unit				
	Elizabeth S. Royston	4122				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1,704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim 11 apply and will expire SIX (6) MONTHS from 12 cause the application to become ABANDONEI	J. nely filed the mailing date of this co D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	_•					
	- action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits						
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-39</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) <u>1-39</u> are subject to restriction and/or e	8) Claim(s) 1-39 are subject to restriction and/or election requirement.					
Application Papers						
9) The specification is objected to by the Examiner	•					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign	priority under 35 H.S.C. & 119(a)	-(d) or (f)				
a) ☐ All b) ☐ Some * c) ☐ None of:	priority under 55 0.5.6. § 115(a)	-(a) or (i).				
1. ☐ Certified copies of the priority documents	s have been received.					
•						
3. Copies of the certified copies of the prior			Stage			
application from the International Bureau	•		· ·			
* See the attached detailed Office action for a list of	of the certified copies not receive	d.				
Attach mant (a)						
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO_413)				
2) Notice of Praftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	nte				
3) Information Disclosure Statement(s) (PTO/SB/08)	atent Application					
Paper No(s)/Mail Date	6)					

Application/Control Number: 10/587,728 Page 2

Art Unit: 4122

DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group 1, claim(s) 1-24, drawn to a process for producing an inorganic-inorganic composite material.

Group 2, claim(s) 25-37, drawn to an inorganic-inorganic composite material.

Group 3, claim(s) 38 and 39, drawn to a method of making dental products with the inorganic-inorganic composite material.

2. The inventions listed as Groups 1, 2, and 3 do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Groups 1, 2, and 3 lack unity of invention because even though the inventions of these groups require the technical feature of an inorganic-inorganic composite material made from a crystalline oxide ceramic inner region and a layer of infiltration substance which contains a precursor of a nonmetallic-inorganic phase or of an amorphous glass phase or of a hydrolysable compound of a metal or of an alkoxide or a metal or contains a hydrolysable silane and has a theoretical density of >99.5%, this technical feature is not

a special technical feature as it does not make a contribution over the prior art in view of Glass (US PN 5478785). Glass teaches an inorganic-inorganic composite material made from a crystalline oxide ceramic inner region (col. 7, line 15-17) and a layer of infiltration substance comprising a hydrolysable silane (col. 7, line 31-33) and has a theoretical density of >99.5% (col. 4, line 59).

3. A telephone call was made to Friedrich Kueffner on 3/4/2009 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Application/Control Number: 10/587,728 Page 4

Art Unit: 4122

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elizabeth S. Royston whose telephone number is 571-270-7654. The examiner can normally be reached on M-Th 7:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton Cano can be reached on 571-272-1398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ER/ Patent Examiner, GAU 4122 /Timothy J. Kugel/ Primary Examiner, Art Unit 1796